FIG. 1
PRIOR ART

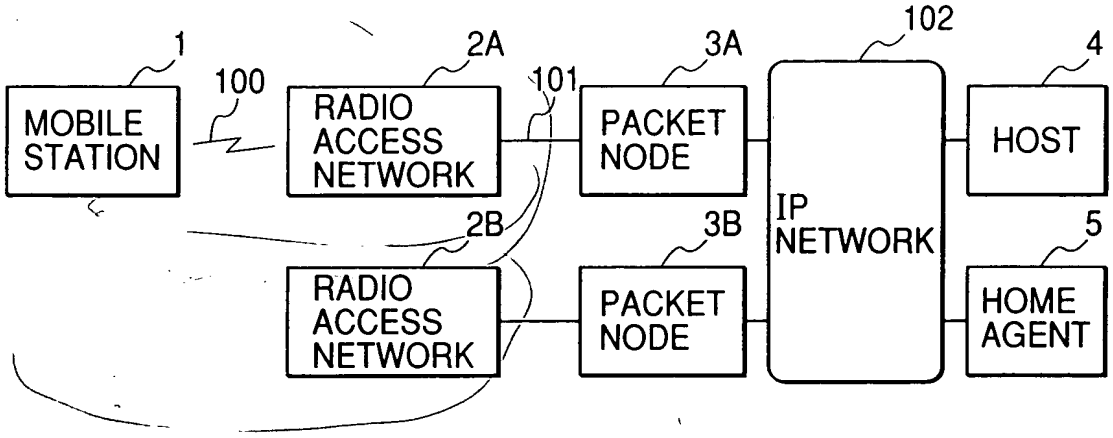


FIG. 2
PRIOR ART

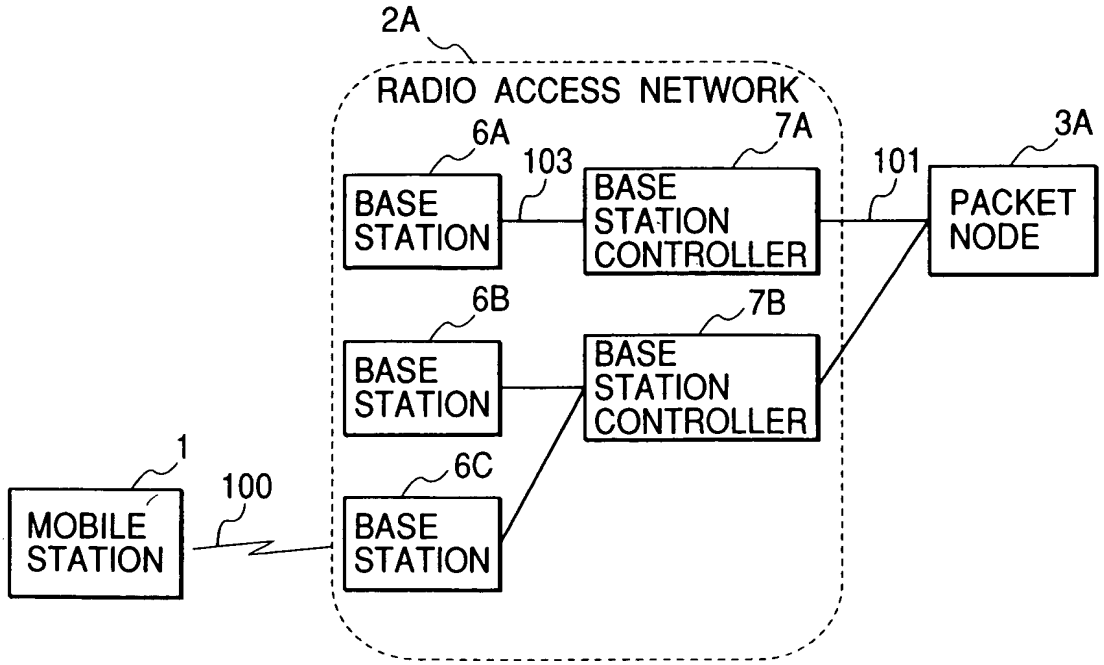


FIG. 3
PRIOR ART

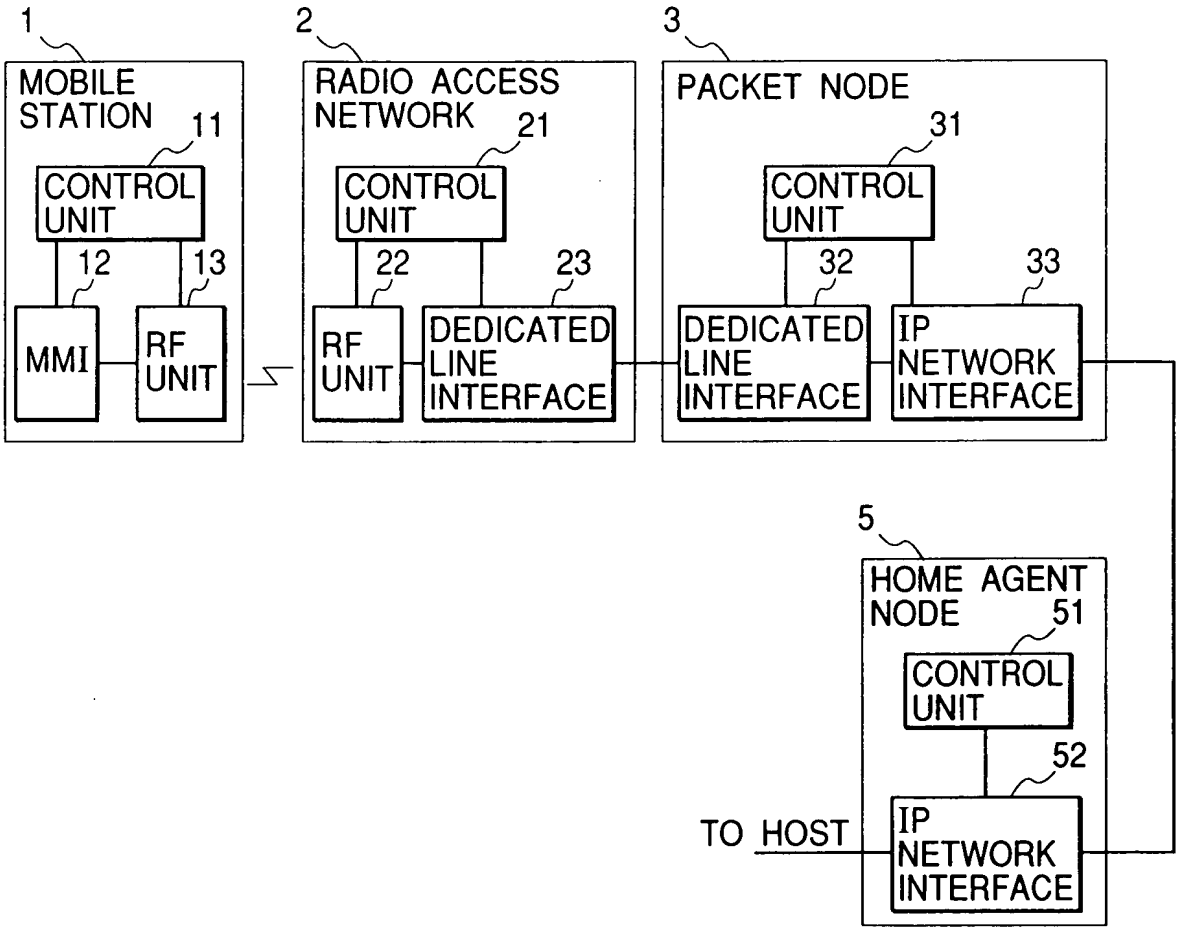


FIG. 4
PRIOR ART

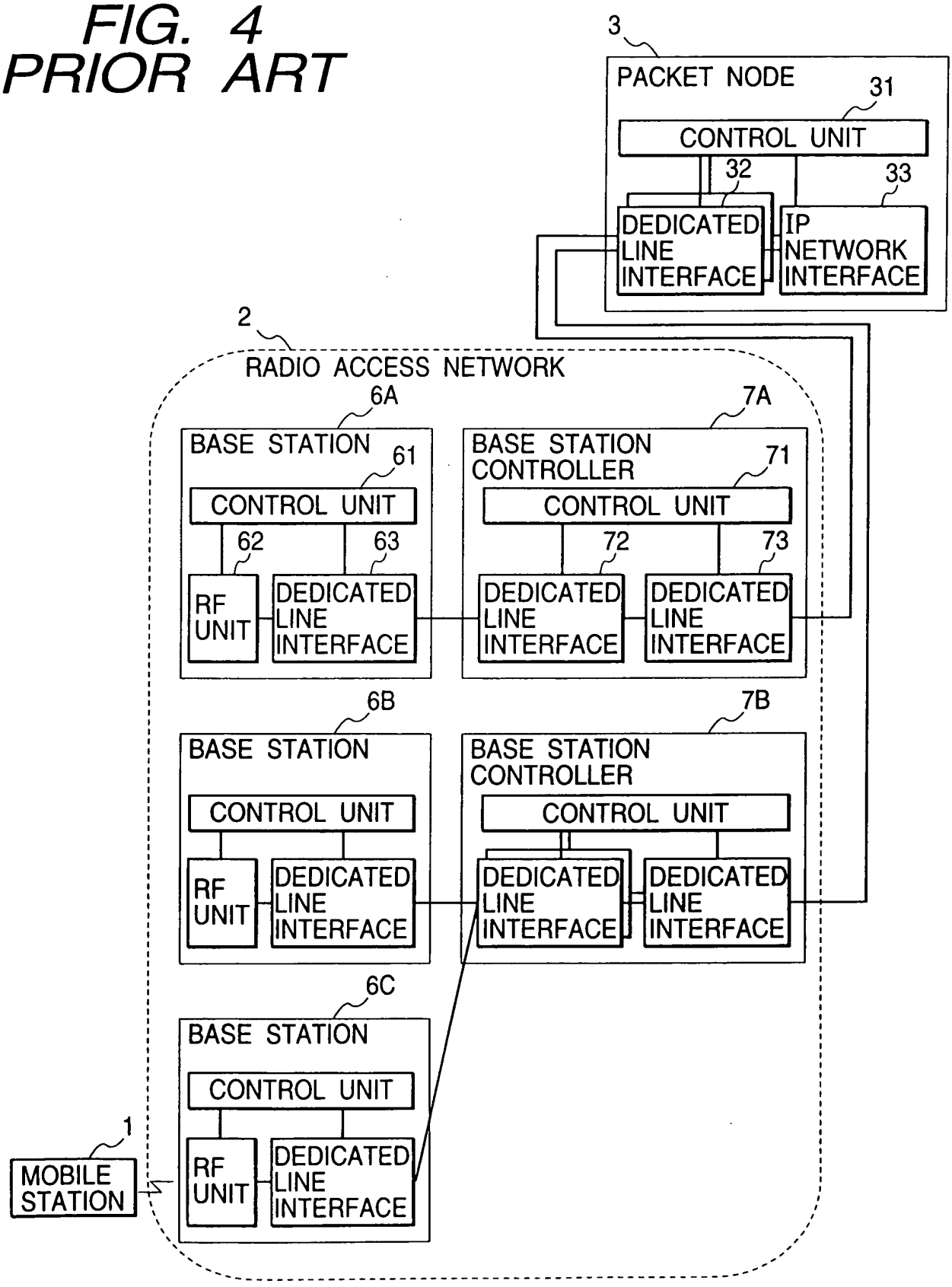


FIG. 5
PRIOR ART

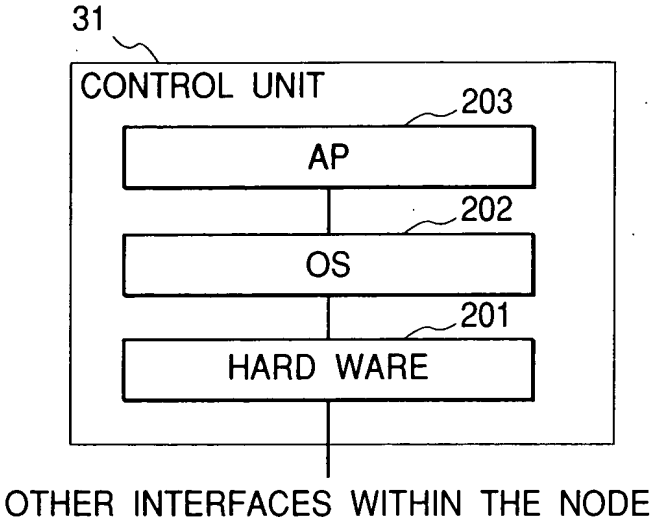


FIG. 6
PRIOR ART

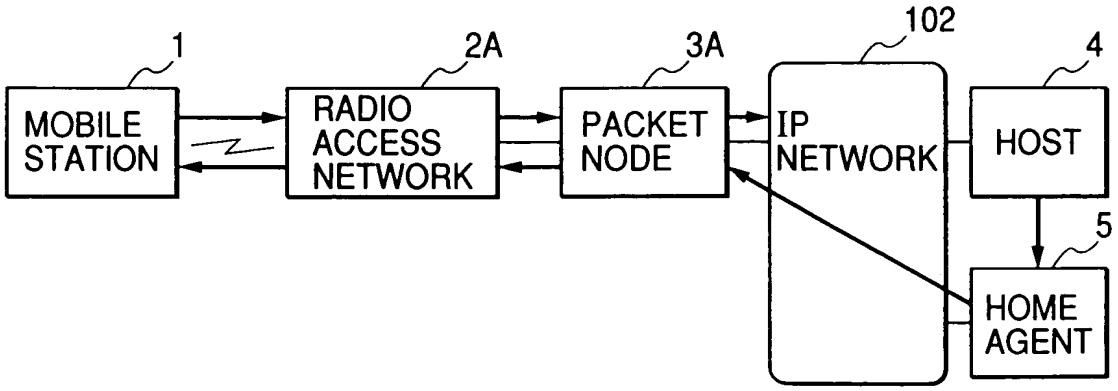


FIG. 7
PRIOR ART

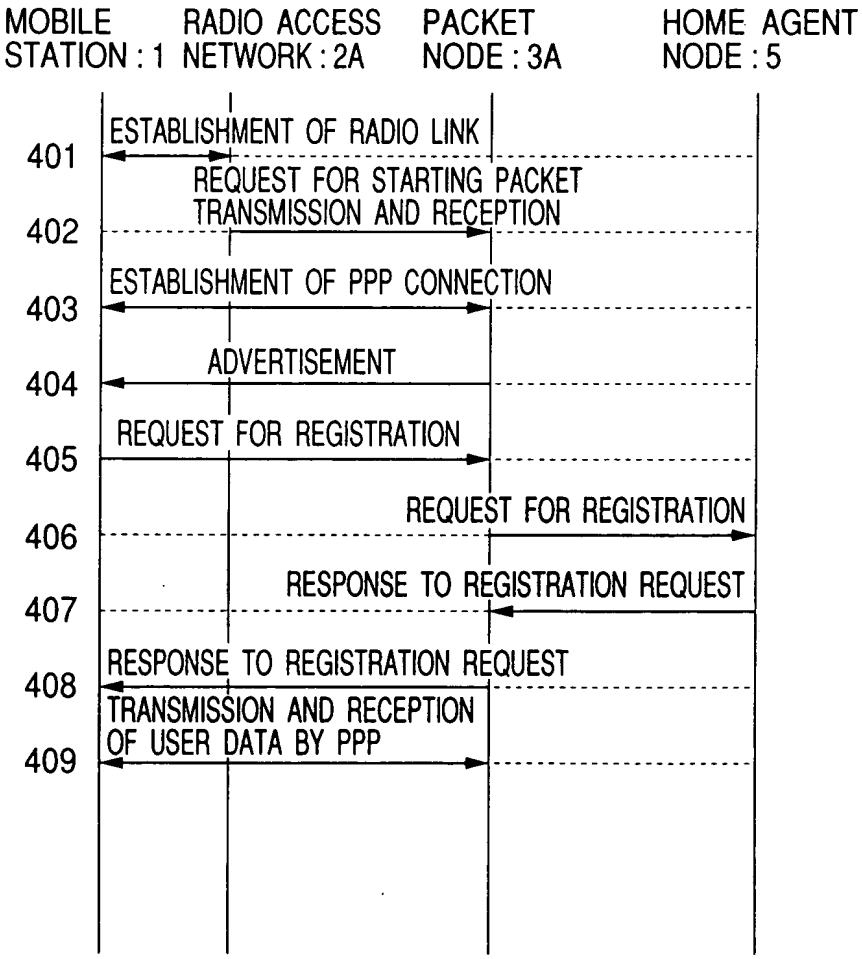


FIG. 8
PRIOR ART

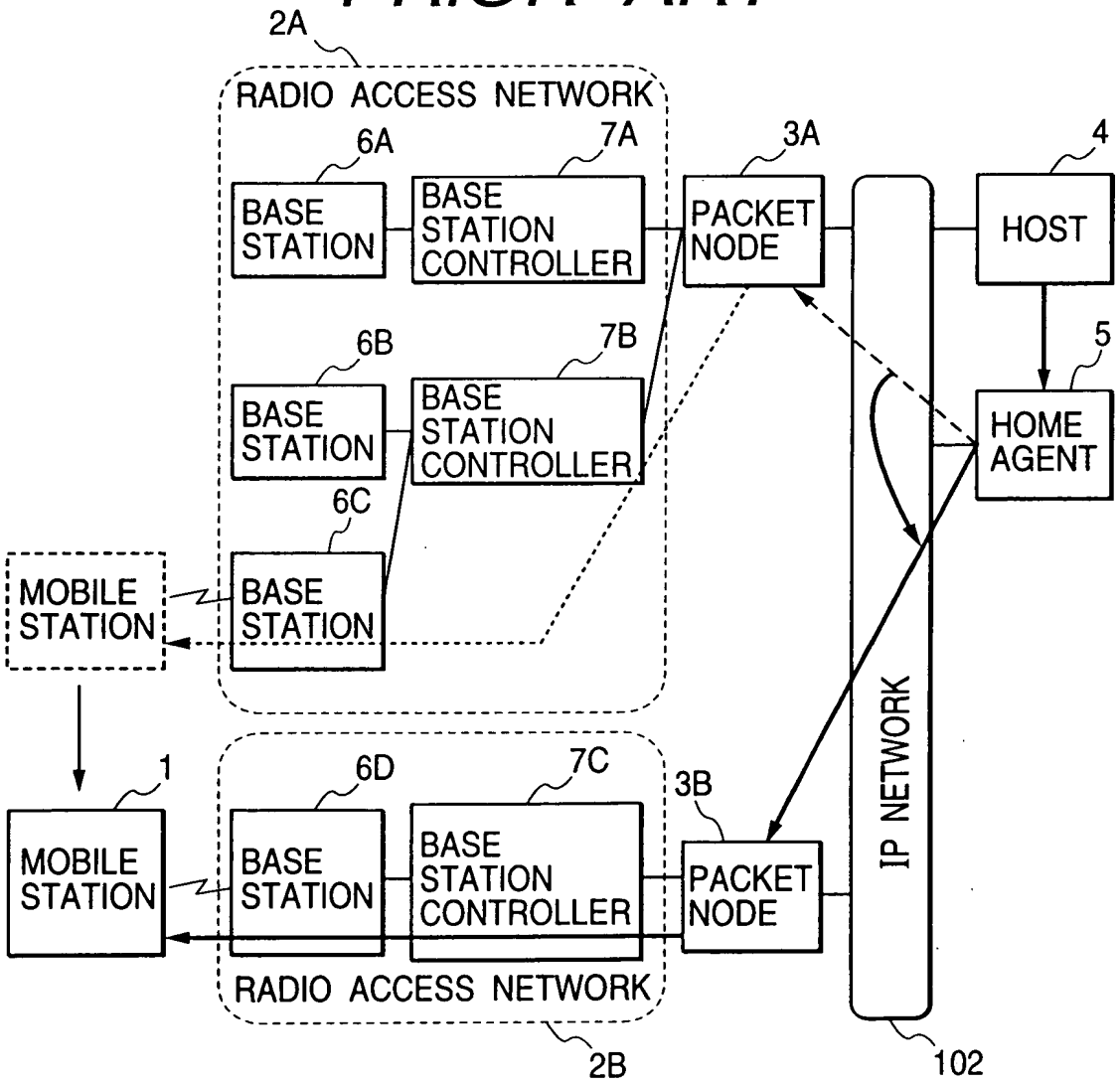


FIG. 9
PRIOR ART

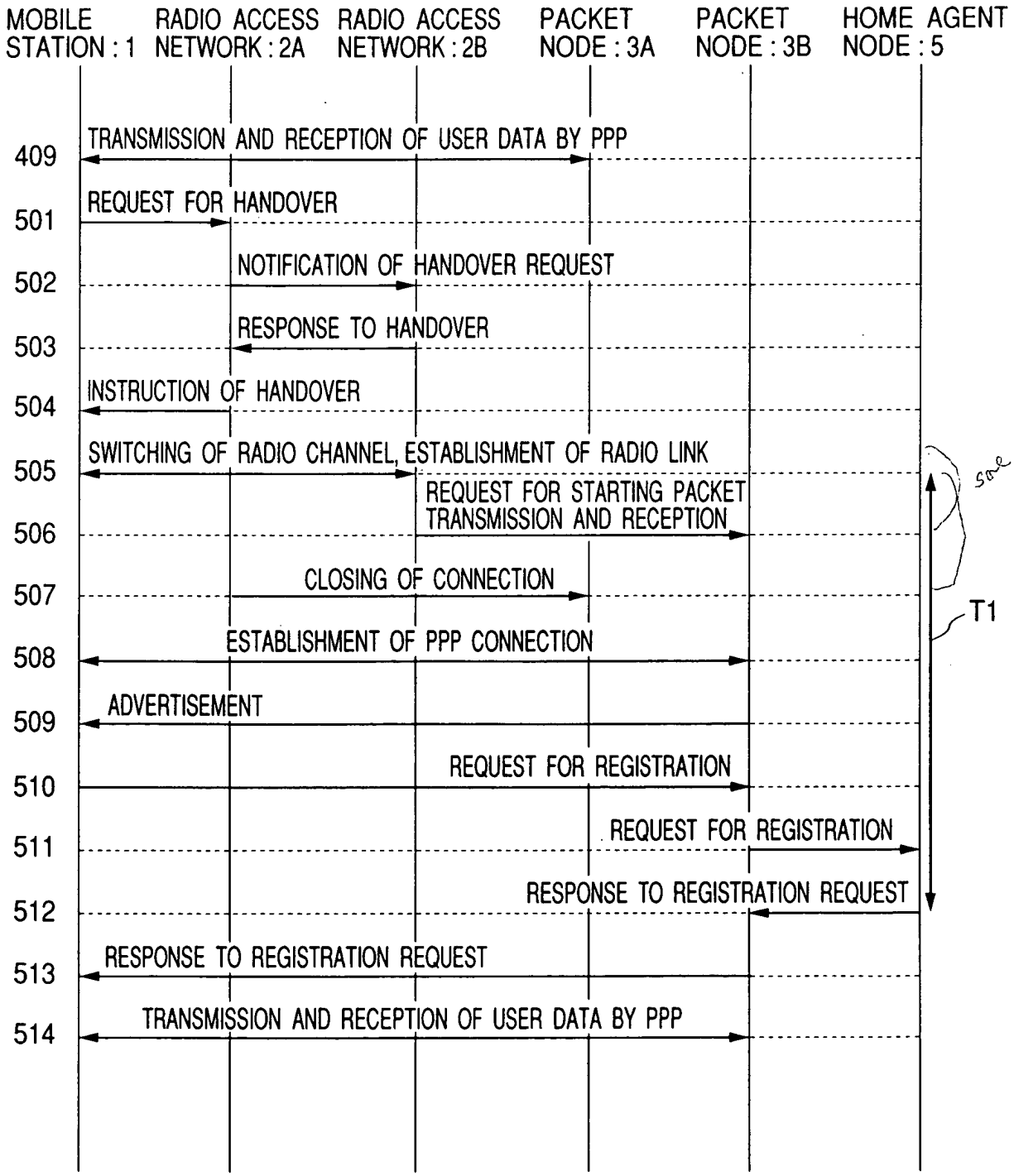


FIG. 10

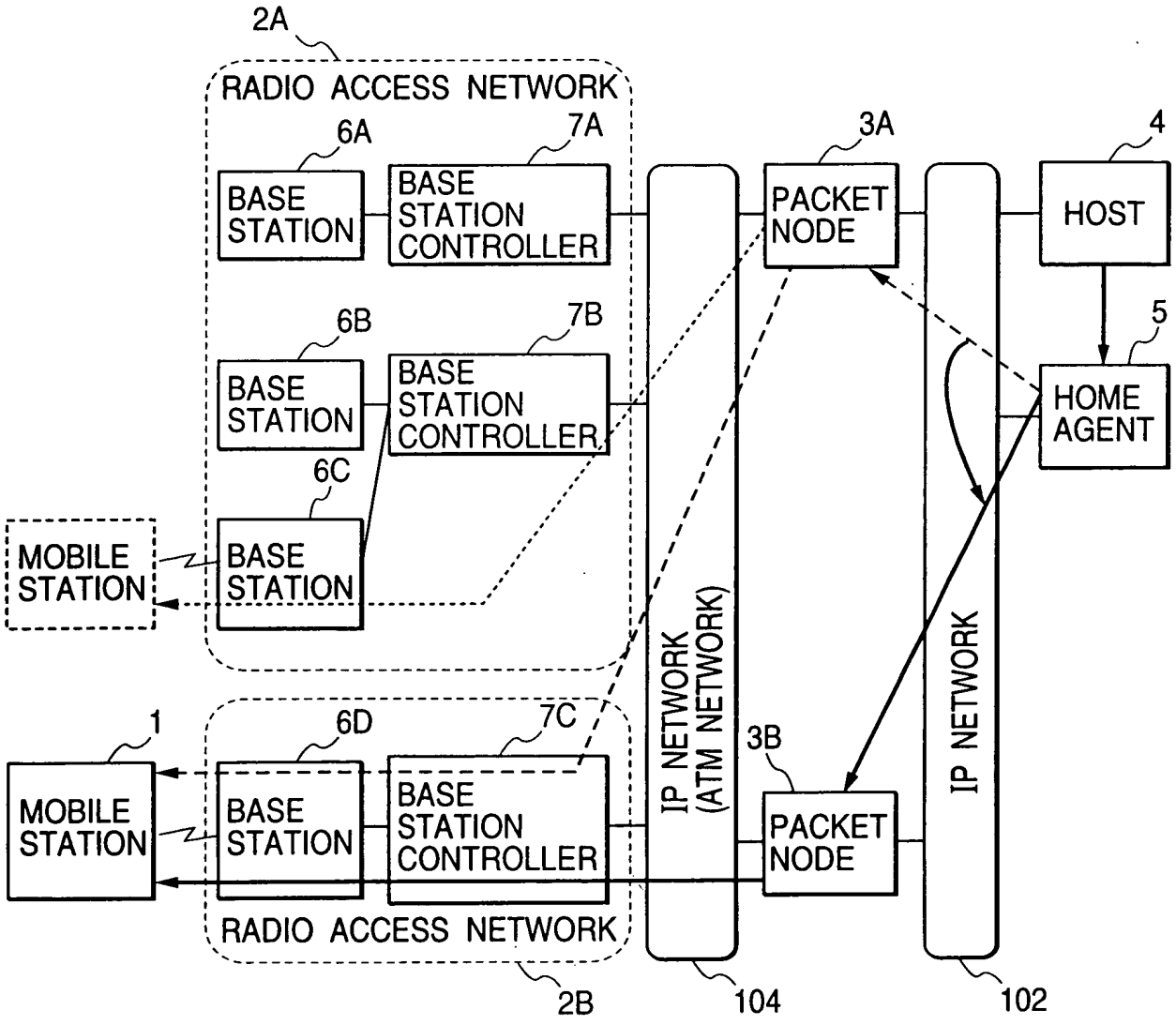

2A
RADIO ACCESS NETWORK
6A
7A
BASE STATION
BASE STATION CONTROLLER
6B
7B
BASE STATION
BASE STATION CONTROLLER
6C
MOBILE STATION
BASE STATION
1
6D
7C
MOBILE STATION
BASE STATION
BASE STATION CONTROLLER
RADIO ACCESS NETWORK
2B
IP NETWORK (ATM NETWORK)
104
3A
PACKET NODE
3B
PACKET NODE
IP NETWORK
102
4
HOST
5
HOME AGENT

FIG. 11(A)

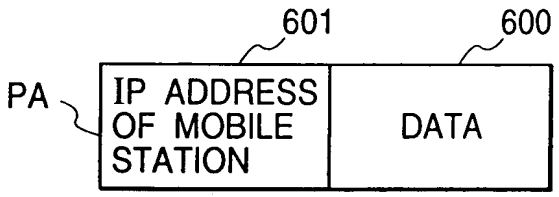


FIG. 11(B)

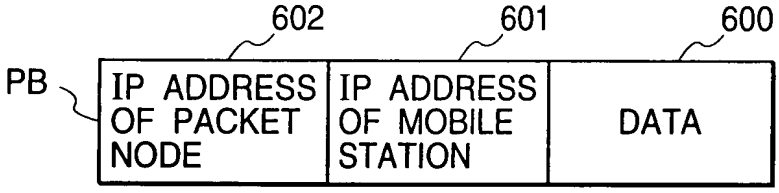


FIG. 11(C)

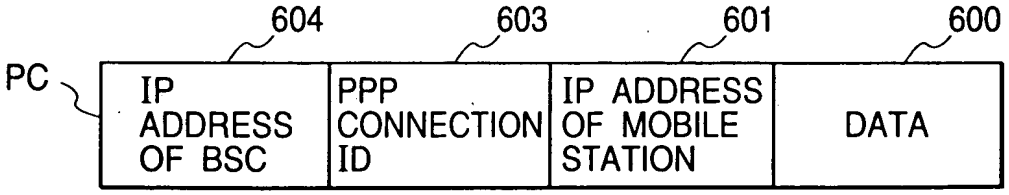


FIG. 12

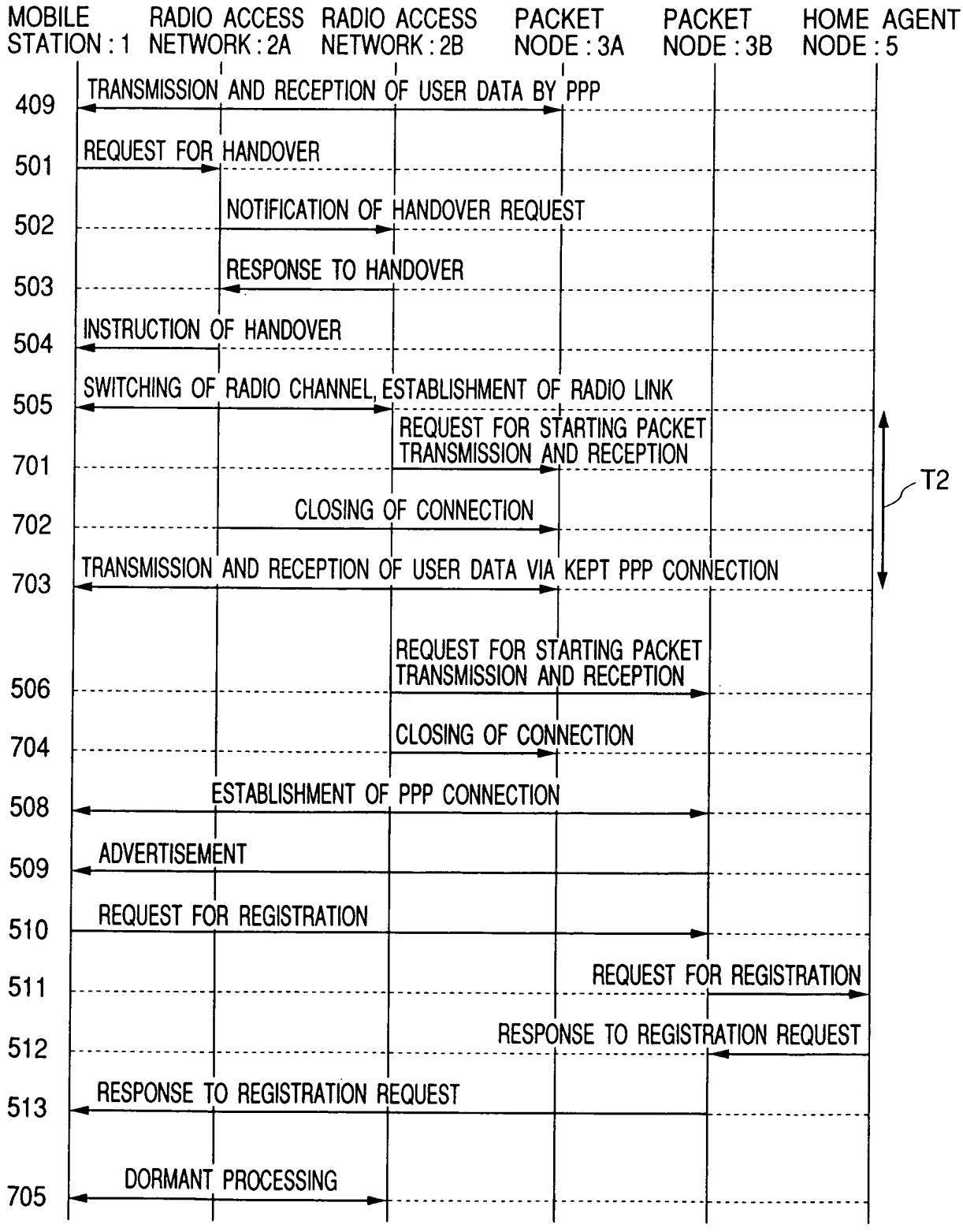

MOBILE STATION : 1
RADIO ACCESS NETWORK : 2A
RADIO ACCESS NETWORK : 2B
PACKET NODE : 3A
PACKET NODE : 3B
HOME AGENT NODE : 5
409
TRANSMISSION AND RECEPTION OF USER DATA BY PPP
501
REQUEST FOR HANDOVER
502
NOTIFICATION OF HANDOVER REQUEST
503
RESPONSE TO HANDOVER
504
INSTRUCTION OF HANDOVER
505
SWITCHING OF RADIO CHANNEL, ESTABLISHMENT OF RADIO LINK
701
REQUEST FOR STARTING PACKET TRANSMISSION AND RECEPTION
T2
702
CLOSING OF CONNECTION
703
TRANSMISSION AND RECEPTION OF USER DATA VIA KEPT PPP CONNECTION
506
REQUEST FOR STARTING PACKET TRANSMISSION AND RECEPTION
704
CLOSING OF CONNECTION
508
ESTABLISHMENT OF PPP CONNECTION
509
ADVERTISEMENT
510
REQUEST FOR REGISTRATION
511
REQUEST FOR REGISTRATION
512
RESPONSE TO REGISTRATION REQUEST
513
RESPONSE TO REGISTRATION REQUEST
705
DORMANT PROCESSING

FIG. 13

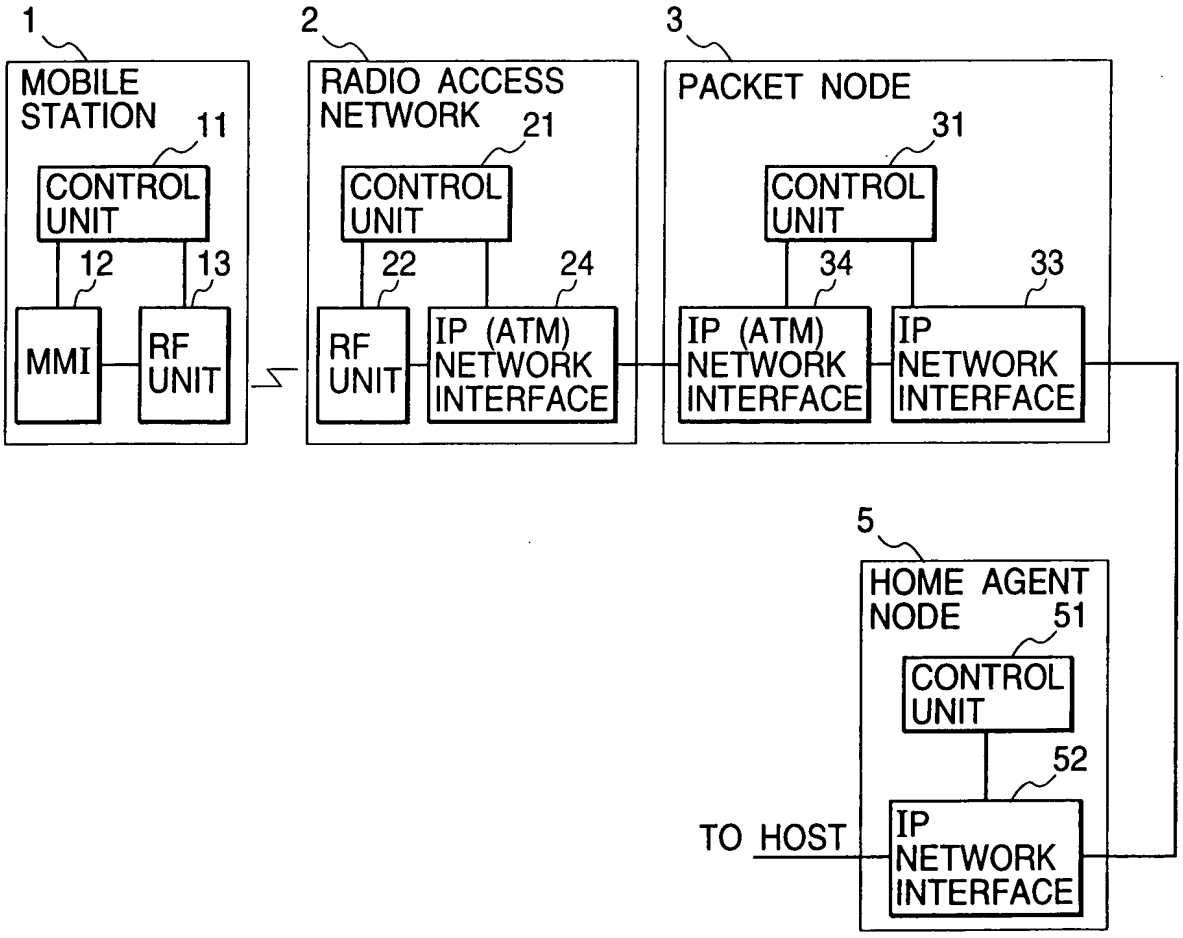

1
MOBILE STATION
11
CONTROL UNIT
12
13
MMI
RF UNIT
2
RADIO ACCESS NETWORK
21
CONTROL UNIT
22
24
RF UNIT
IP (ATM) NETWORK INTERFACE
3
PACKET NODE
31
CONTROL UNIT
34
33
IP (ATM) NETWORK INTERFACE
IP NETWORK INTERFACE
5
HOME AGENT NODE
51
CONTROL UNIT
52
TO HOST
IP NETWORK INTERFACE

FIG. 14

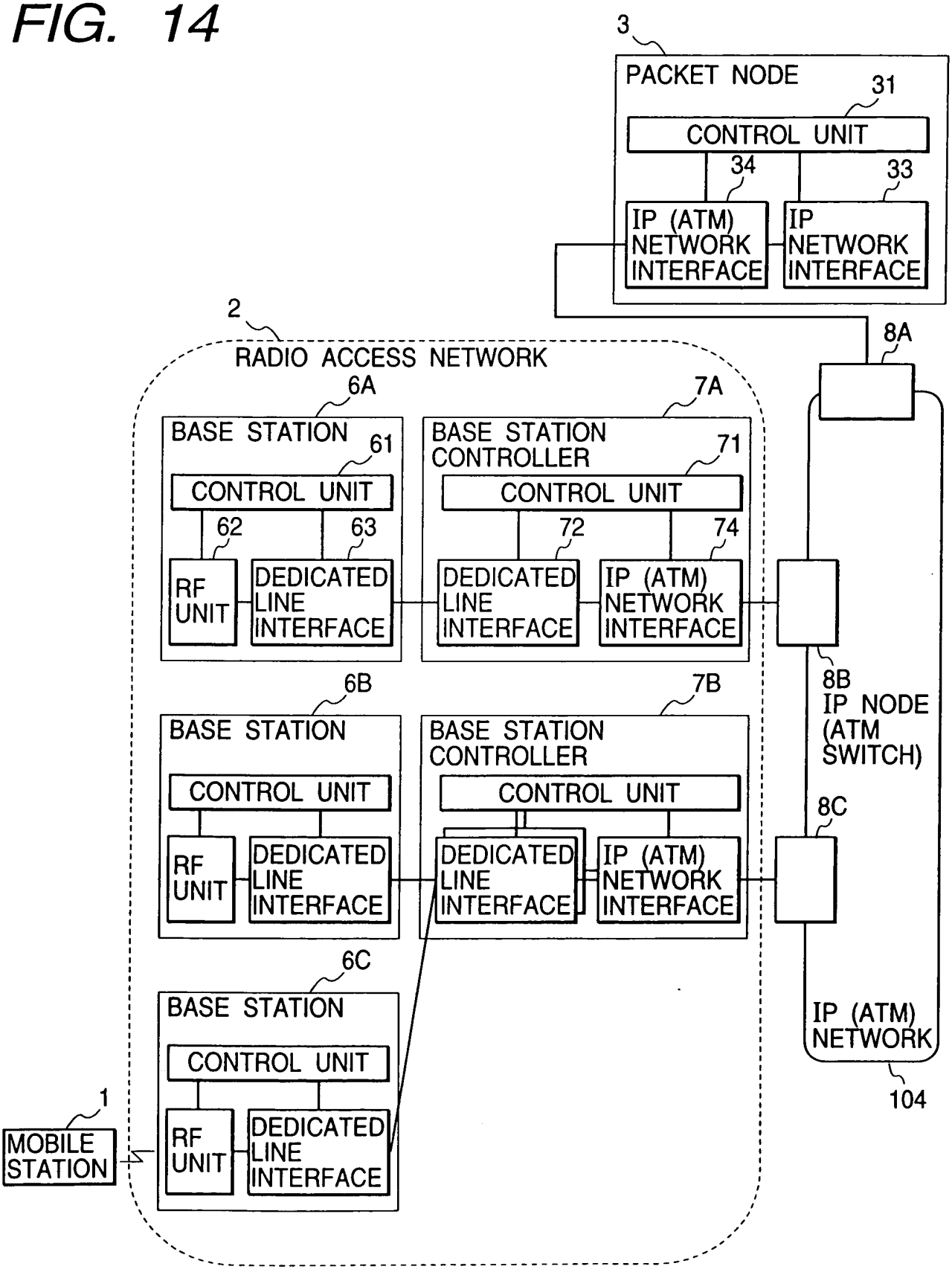

3
PACKET NODE
31
CONTROL UNIT
34
33
IP (ATM) NETWORK INTERFACE
IP NETWORK INTERFACE
2
RADIO ACCESS NETWORK
8A
6A
7A
BASE STATION
61
BASE STATION CONTROLLER
71
CONTROL UNIT
CONTROL UNIT
62
63
72
74
RF UNIT
DEDICATED LINE INTERFACE
DEDICATED LINE INTERFACE
IP (ATM) NETWORK INTERFACE
8B
IP NODE (ATM SWITCH)
6B
7B
BASE STATION
BASE STATION CONTROLLER
CONTROL UNIT
CONTROL UNIT
8C
RF UNIT
DEDICATED LINE INTERFACE
DEDICATED LINE INTERFACE
IP (ATM) NETWORK INTERFACE
6C
BASE STATION
CONTROL UNIT
IP (ATM) NETWORK
104
1
MOBILE STATION
RF UNIT
DEDICATED LINE INTERFACE

FIG. 15

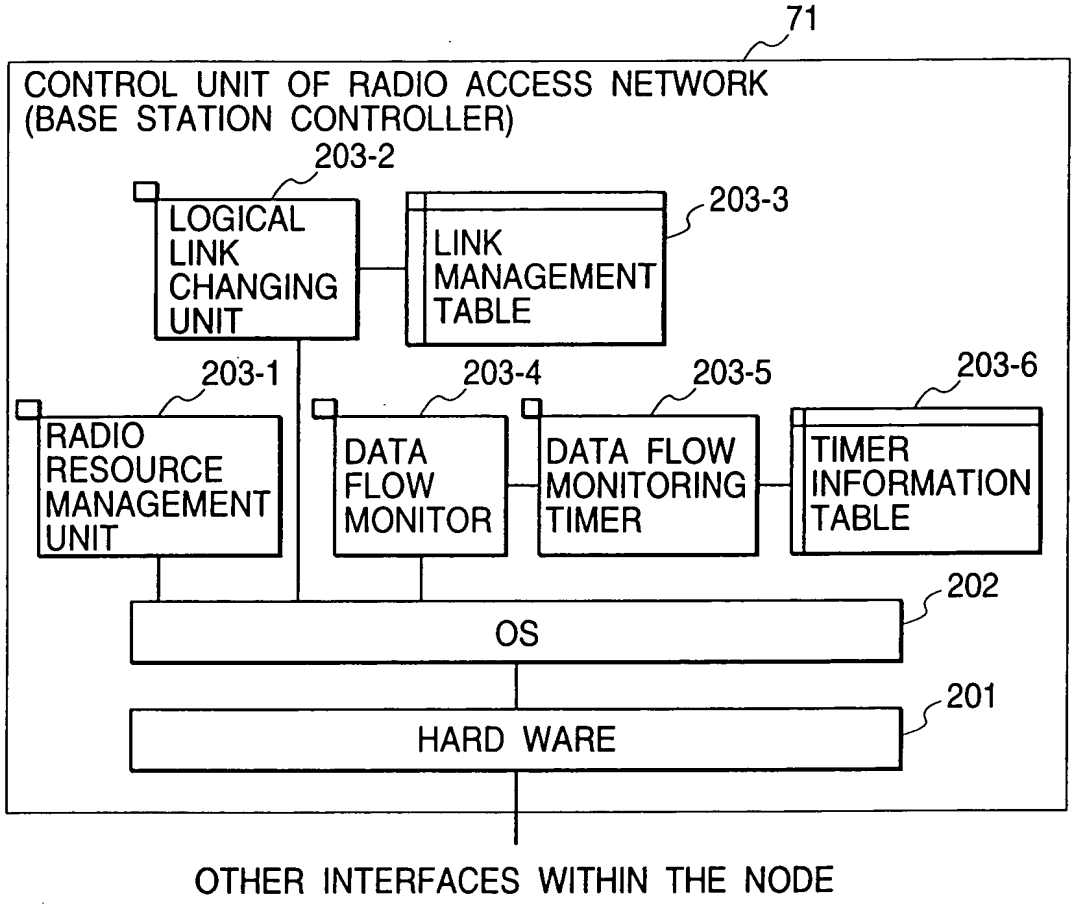


FIG. 16

LINK MANAGEMENT TABLE 203-3

301 MOBILE STATION ID	302 PACKET NODE IN CONNECTION	303 DESIGNATED PACKET NODE
XXX	3A	3B

FIG. 17

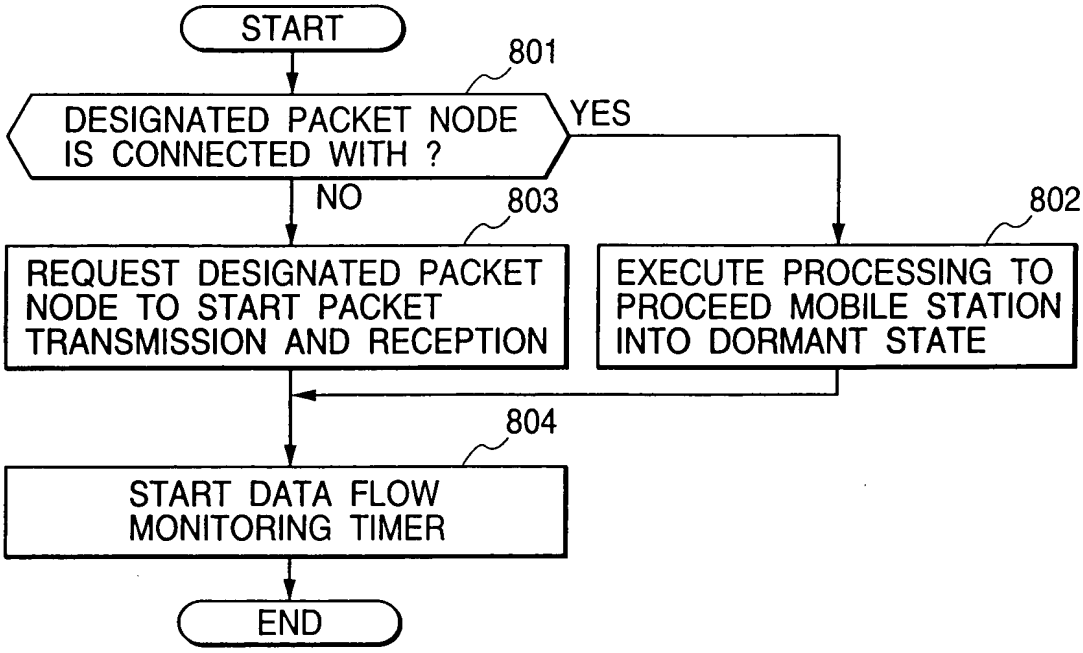
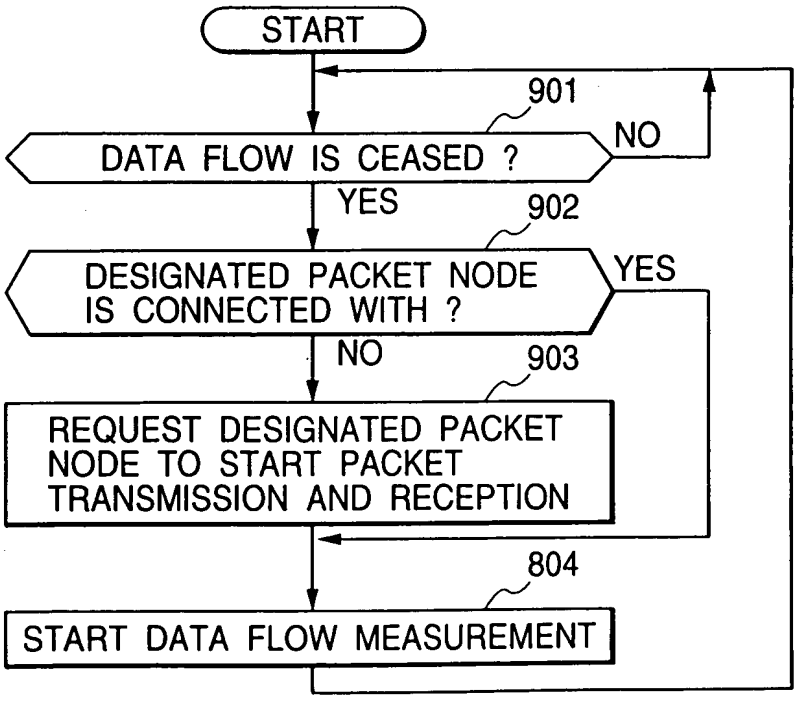

START
801
DESIGNATED PACKET NODE IS CONNECTED WITH ?
YES
NO
803
802
REQUEST DESIGNATED PACKET NODE TO START PACKET TRANSMISSION AND RECEPTION
EXECUTE PROCESSING TO PROCEED MOBILE STATION INTO DORMANT STATE
804
START DATA FLOW MONITORING TIMER
END

FIG. 18


START
901
DATA FLOW IS CEASED ?
NO
YES
902
DESIGNATED PACKET NODE IS CONNECTED WITH ?
YES
NO
903
REQUEST DESIGNATED PACKET NODE TO START PACKET TRANSMISSION AND RECEPTION
804
START DATA FLOW MEASUREMENT